



2161

PTO/SB/21 (02-04)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number		10/044,355	
		Filing Date		January 10, 2002	
		First Named Inventor		Akira Kagami	
		Art Unit		2161	
		Examiner Name		Unknown	
Total Number of Pages in This Submission		N/A	Attorney Docket Number		36992.00092 (HAL 205)

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Return Postcard <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement (2 pages) <input checked="" type="checkbox"/> PTO Form 1449 (3 pages) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <div>Remarks</div>	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 58 References

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Marc A. Sockol, Reg. No. 40,823 Squire, Sanders & Dempsey L.L.P. 600 Hansen Way Palo Alto, CA 94304-1043
Signature	
Date	May 20, 2004

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0

Complete if Known

Application Number 10/044,355
Filing Date January 10, 2002
First Named Inventor Akira Kagami
Examiner Name Unknown
Art Unit 2161
Attorney Docket No. 36992.00092 (HAL 2002)

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METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 05-0150

Deposit Account Name Squire, Sanders & Dempsey L.L.P.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 0)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
0	0	0	0
0	0	0	0
0	0	0	0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 0)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 0)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type) Marc A. Sockol Registration No. (Attorney/Agent) 40,823 Telephone 650.856.6500
Signature [Signature] Date May 20, 2004

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#5 6-8-04
PATENT *CW*

Attorney Docket No.: 36992.00092 (HAL 205)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Date: May 20, 2004

By: *Sandy Yi*
Sandy Yi

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In re Application of:	
Akira Kagami, et al.	Examiner: Unknown
Serial No.: 10/044,355	Art Unit: 2161
Filed: January 10, 2002	
Title: SAN INFRASTRUCTURE ON DEMAND SERVICE SYSTEM	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR §§1.97(b)**

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56 and pursuant to 37 CFR §§1.97-1.98, Applicants hereby notify the U.S. Patent and Trademark Office of the references listed on the enclosed Form PTO-1449. One copy of each reference cited is submitted herewith.

The present Supplemental Information Disclosure Statement is being filed more than three months after the filing date but before receiving the first Office Action. Accordingly, no fee or certification is needed.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants reserve the right to dispute any of the listed documents as prior art during examination. Furthermore, Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application. The submission of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other material information may exist.

The Examiner is requested to initial the enclosed Form PTO-1449 and return a copy thereof to the undersigned.

If for any reason an insufficient fee has been paid, please charge the insufficiency to Deposit Account No. 05-0150.

Date: 5/20/04

Squire, Sanders & Dempsey L.L.P.
600 Hansen Way
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Respectfully submitted,



Marc A. Sockol
Attorney for Applicants
Reg. No. 40,823

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/044,355
Filing Date	January 10, 2002
First Named Inventor	Akira Kagami
Art Unit	2161
Examiner Name	Unknown
Attorney Docket Number	36992.00092 (HAL 205)

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-4,310,883	01-12-1982	Clifton et al.	
		US- 4,771,375	09-13-1988	Beglin et al.	
		US- 4,935,956	06-19-1990	Hellwarth et al.	
		US- 5,018,060	05-21-1991	Gelb et al.	
		US- 5,079,760	01-07-1992	Nemirovsky et al.	
		US- 5,561,669	10-01-1996	Lenney et al.	
		US- 5,758,050	05-26-1998	Brady et al.	
		US- 5,978,779	11-02-1999	Stein et al.	
		US- 6,012,151	01-04-2000	Mano, Kosei	
		US- 6,044,442	03-28-2000	Jesionowski, Leonard George	
		US- 6,052,450	04-18-2000	Allison et al.	
		US- 6,192,454	02-20-2001	De Vos, Johan	
		US- 6,209,024	03-27-2001	Armstrong et al.	
		US- 6,230,247	05-08-2001	Cannon et al.	
		US- 6,263,350	07-17-2001	Wollrath et al.	
		US- 6,279,040	08-21-2001	Ma et al.	
		US- 6,338,046	01-08-2002	Saari et al.	
		US- 6,356,985	03-12-2002	Ichimi et al.	
		US- 6,442,659	08-27-2002	Blumenau, Steven M.	
		US- 6,484,160	11-19-2002	Richard et al.	
		US- 6,502,136	12-31-2002	Higuchi et al.	
		US- 6,502,162	12-31-2002	Blumenau et al.	
		US- 6,519,471	02-11-2003	Yamaguchi, Yoshito	
		US- 6,553,401	04-22-2003	Carter et al.	
		US- 6,597,956	07-22-2003	Aziz et al.	
		US- 6,640,278	10-28-2003	Nolan et al.	
		US- 6,654,830	11-25-2003	Taylor et al.	
		US- 6,665,706	12-16-2003	Kenner et al.	
		US- 6,687,677	02-03-2004	Barnard et al.	

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FOREIGN PATENT DOCUMENTS

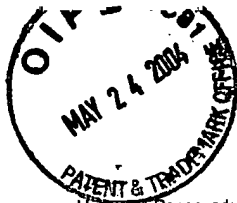
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵				
		JP 2001-142648 A	05-25-2001	Hitachi Ltd.		X (abstract only)
		WO 01/33456 A2	05-10-2001	AP Engines, Inc.		

Examiner
SignatureDate
Considered

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 3

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Application Number	10/044,355
Filing Date	January 10, 2002
First Named Inventor	Akira Kagami
Art Unit	2161
Examiner Name	Unknown
Attorney Docket Number	36992.00092 (H)

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GROUP 3600**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 2001/0034704	10-25-2001	Farhat et al.	
		US- 2001/0056480	12-27-2001	Taylor et al.	
		US- 2002/0035492	03-21-2002	Nonaka, Akira	
		US- 2002/0087682	07-04-2002	Roach, Tynan George	
		US- 2002/0091828	07-11-2002	Kitamura et al.	
		US- 2002/0097747	07-25-2002	Kirkby et al.	
		US- 2002/0107956	08-08-2002	Nakagawa et al.	
		US- 2002/0112043	08-15-2002	Kagami et al.	
		US- 2002/0124134	09-05-2002	Chilton, Kendell	
		US- 2002/0147693	10-10-2002	Banerjee et al.	
		US- 2002/0152364	10-17-2002	Gunaseelan et al.	
		US- 2002/0162047	10-31-2002	Peters et al.	
		US- 2002/0166033	11-07-2002	Kagami et al.	
		US- 2002/0188576	12-12-2002	Peterson et al.	
		US- 2002/0194504	12-19-2002	Leskuski et al.	
		US- 2003/0023732	01-30-2003	Cohen, Michael S.	
		US- 2003/0061129	03-27-2003	Todd et al.	
		US- 2003/0088513	05-08-2003	Gritzmacher et al.	
		US- 2003/0093567	05-15-2003	Lolayekar et al.	
		US- 2003/0105855	06-05-2003	Wynnyk, Thomas M.	
		US- 2003/0115073	06-19-2003	Todd et al.	
		US- 2003/0177162	09-18-2003	Staiger et al.	
		US- 2003/0191804	10-09-2003	Yasuda et al.	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 3 of 3

Complete if Known

Application Number	10/044,355
Filing Date	January 10, 2002
First Named Inventor	Akira Kagami
Art Unit	2161
Examiner Name	Unknown
Attorney Docket Number	36992.00092 (HAL 205)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"Virtual Nationwide Managed Ports (Per Port)"; Global POPs; date unknown; 3 pages; Copyright 2002 GlobalPOPs. URL: http://www.globalpops.com/services.asp	
		GIBSON, Garth A. and Rodney VAN METER; "Network Attached Storage Architecture"; Communications of the ACM; November 2002; pages 37-45; Vo. 43, No. 11.	
		DUFFIELD, Nick et al.; "Charging from Sampled Network Usage"; AT&T Labs - Research; date unknown; pages.	
		"Networked Storage Info Center"; EMC; date unknown; 4 pages; Copyright 2000 - 2004, TechTarget. URL: http://searchstorage.techtarget.com/infoCenter/0,294261,sid5,00.html	

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Examiner Signature		Date Considered	
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